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# INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

WO 00/43779 (51) International patent classification<sup>7</sup>: (11)International publication number: (43) International publication date: A1 G01N 33/50, 33/58, 33/566 27 July 2000 (27.07.00) (74) Representative: MONCHENY, Michel; Cabinet Lavoix, (21) International application number: PCT/FR00/00113 2, place d'Estienne d'Orves, F-75441 Paris Cedex 09 (22) International filing date: 19 January 2000 (19.01.00) (FR). (81) Designated states: CA, JP, US, European Patent (AT, (30) Data relating to the priority: BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, 20 January 1999 (20.01.99) FR 99/00,588 MC, NL, PT, SE). (71) Applicant (for all designated States except US): INSTITUT NATIONAL DE LA SANTE ET DE LA **Published** RECHERCHE MEDICALE (INSERM) [FR/FR]; With the International Search Report. 101, rue de Tolbiac, F-75013 Paris (FR). UNIVERSITE MC GILL [CA/CA]; 3550 rue University, Montreal, Quebec H3A 2A7 (CA). (72) Inventors; and (75) Inventors/Applicants (US only): VAUDRY, Hubert [FR/FR]; 36 route d'Epouville, F-76133 Maneglise (FR), CHARTREL, Nicolas [FR/FR]; 17, route de Quevillon, F-76113 St Pierre de Manneville (FR). BEAUDET, Alain [CA/CA]; 39 Promenade Surrey, Rue Mont-Royal, Quebec H3P 1B2 (CA). LENKEI, Zsolt [HU/FR]; 119-121, rue de Charenton, F-75012 Paris (FR). LLORENS-CORTES, Catherine [FR/FR]; 9, avenue de la Promenade, F-91440 Bures sur Yvette (FR).

As printed

(54) Title: METHOD FOR IDENTIFYING THE LIGANDS OF A RECEPTOR CAPABLE OF BEING INTERNALIZED

(54) Titre: IDENTIFICATION DES LIGANDS D'UN RECEPTEUR CAPABLE DE S'INTERNALISER

#### (57) Abstract

The invention concerns a method useful for detecting and/or identifying in a bank of peptides, pseudopeptides and non-peptide compounds, a biological extract or a purified fraction of a tissue extract, a ligand of a receptor of interest capable of being subjected to internalization induced by immobilising said ligand. The invention is characterised in that it comprises at least steps which consist in: expressing at the surface of a cell said receptor in a marked form; bringing in contact said cell and said bank in conditions suitable for cell internalization of said ligand-receptor complex; and displaying said internalization via the detection of the marker associated with said receptor.

## (57) Abrégé

L'invention a pour objet un procédé utile pour détecter et/ou identifier dans une banque de composés peptidiques, pseudopeptidiques ou non-peptidiques, un extrait biologique ou une fraction purifiée d'un extrait de tissus, un ligand d'un récepteur d'intérêt et capable de subir une internalisation induite par la fixation dudit ligand caractérisé en ce qu'il comprend au moins les étapes consistant à: exprimer à la surface d'une cellule ledit récepteur sous une forme marquée; mettre en présence ladite cellule avec ladite banque dans des conditions suffisantes pour permettre une internalisation cellulaire dudit complexe récepteur-ligand et visualiser cette internalisation via la détection du marqueur associé audit récepteur.

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